

#### **Analysis of instantaneous cardiac EBI signal variability over the heart cycle(s) : non-linear time-scale approach**

**Krivošei, Andrei; Min, Mart; Annus, Paul; Kõiv, Hip;** Aabloo, Alvo; Uuetoa, Tiina EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 940-943 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_235](https://doi.org/10.1007/978-981-10-5122-7_235)

#### **Controllable limiter of signal amplitudes for bioimpedance measurements**

**Ojarand, Jaan; Min, Mart** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 920-923 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_230](https://doi.org/10.1007/978-981-10-5122-7_230)

#### **Dependence of the EEG nonlinear coupling on the frequency bands and the segment lengths**

**Orgo, Laura; Bachmann, Maie; Kalev, Kaia;** Järvelaid, Mari; **Raik, Jaan; Hinrikus, Hiie** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 799-802 [https://doi.org/10.1007/978-981-10-5122-7\\_200](https://doi.org/10.1007/978-981-10-5122-7_200)

#### **EEG spectral asymmetry index detects differences between leaders and non-leaders**

**Pöld, Toomas; Bachmann, Maie; Orgo, Laura; Kalev, Kaia; Lass, Jaanus; Hinrikus, Hiie** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 17-20 [https://doi.org/10.1007/978-981-10-5122-7\\_5](https://doi.org/10.1007/978-981-10-5122-7_5)

#### **Investigation of photoplethysmographic signal augmentation index estimation differences between fingers**

**Pilt, Kristjan; Silluta, Sandra; Kõöts, Kristina; Karai, Deniss; Meigas, Kalju; Viigimaa, Margus** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 819-822 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_205](https://doi.org/10.1007/978-981-10-5122-7_205)

#### **Mechanism of low-level microwave radiation effect on brain : frequency limits**

**Hinrikus, Hiie; Bachmann, Maie; Lass, Jaanus** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 647-650 [https://doi.org/10.1007/978-981-10-5122-7\\_162](https://doi.org/10.1007/978-981-10-5122-7_162)

#### **Quantization of the response signal differences for the electrical bioimpedance measurement**

**Annus, Paul; Land, Raul; Priidel, Eiko; Metshein, Margus; Min, Mart; Märtens, Olev** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 290-293 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_73](https://doi.org/10.1007/978-981-10-5122-7_73)

#### **Removal estimation of uremic CVD marker phosphate in dialysis using spectrophoto- and fluorimetric signals**

**Holmar, Jana; Arund, Jürgen; Kalle, Sigrid; Lauri, Kai; Luman, Merike; Tanner, Risto; Tomson, Ruth; Fridolin, Ivo** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 358-361 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_90](https://doi.org/10.1007/978-981-10-5122-7_90)

#### **Shielding static magnetic fields from Magnetic Resonance Imaging units by ferromagnetic material**

**Koppel, Tarmo; Ross, Peeter;** Vilcane, Inese EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 743-746 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_186](https://doi.org/10.1007/978-981-10-5122-7_186)

#### **Stroke volume assessment by impedance cardiography : comparative analysis with transthoracic echocardiography**

**Silluta, Sandra; Pilt, Kristjan; Bischler, Elja; Kõöts, Kristina; Meigas, Kalju; Viigimaa, Margus** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 398-401 [https://doi.org/10.1007/978-981-10-5122-7\\_100](https://doi.org/10.1007/978-981-10-5122-7_100)

#### **Variation of cardiac and respiratory waveform on human thorax in the case of inductive coupling**

**Metshein, Margus; Annus, Paul; Land, Raul; Krivošei, Andrei; Ojarand, Jaan;** Aabloo, Alvo; **Min, Mart** EMBEC & NBC 2017 : joint conference of the European Medical and Biological Engineering Conference (EMBEC) and the Nordic-Baltic Conference on Biomedical Engineering and Medical Physics (NBC), Tampere, Finland, June 2017 2018 / p. 671-674 : ill [https://doi.org/10.1007/978-981-10-5122-7\\_168](https://doi.org/10.1007/978-981-10-5122-7_168)